SmartLume 4

Job Name / Location	
Fixture Type	
Configuration	

ORDERING

All SmartLume 4 fixtures ship with:

- NEMA 7-pin receptacle included **(shorting cap optional, must be ordered separately)**
- 20 kV / 10kA surge protection included
- Standard mast-arm lateral entry mounting to 1 ¼" - 2" pipes
- Compatible for wireless dimming with LuCo Owlet Control or other wireless NEMA twist-lock devices
- 10 year warranty

Sample Configuration: SMART4-US-84L398-NW-T3M-SV-GY-___-___-___-___-___

1. Specify **BASE LUMINAIRE**
2. Select **OPTIONS**

BASE LUMINAIRE

Luminaire	Flux Code ^	Color Temperature ^	Optic	Voltage & EL Class	Finish
SMART4-US	**72L362** (72 LEDs, 36,200 lms, 297W) **84L371** (84 LEDs, 37,100 lms, 290W) **84L398** (84 LEDs, 39,800 lms, 318W) **84L410** (84 LEDs, 41,000 lms, 332W)	**Standard** **NW** (Neutral 4000K, 70+ CRI) **Optional** * **CW** (Cool 5700K, 70+ CRI) **WW** (Warm 3000K, 80+ CRI) ^	**T2M** (Type 2 Roadway 5172) **T3M** (Type 3 Roadway 5171) **T3C** (Type 3 Local 5173) **T4M** (Type 4 5174) **T5S** (Type VS 5175) **T5Q** (Type VS Square 5242) NEW!	**SV** (120-277V) **HV** (347-480V) x	**GY** (RAL7040T Grey) **BK** (RAL9011T Black) **WH** (RAL9016T White) **BZ** (RAL8019T Bronze)

OPTIONS (add codes below to end of part number above) *

Control Options *

IOT - Owlet IOT Control (dimming enabled)
P7 - LuCo Owlet Control (dimming enabled)
SXXX - Custom control/sensor
TXXX - Custom photocell
SC - Shorting Cap

Dimming Options *

D01 - 0-10V
DXXX - Custom dimming

Other Options *

ZZ - Custom cable type
AA - Special wattage labeling
A6 - Oceanside (3000 hour paint testing)
PXXX - Custom photometry
LXXX - Custom labeling
FXXX - Custom finish/color
OXXX - Other
AB - Bird spikes
S1 - Backlight Shield

Finish Options *

RALXXXXM - (Other RAL matte)
RALXXXXB - (Other RAL brilliant)
RALXXXXT - (Other RAL textured)

NOTES:

* Additional cost may apply
^ Lumen output for **WW** (Warm 3000K) LED configurations is up to 15% less than **NW** or **CW** configurations. Consult Photometry Grid for values.
\# Luminaire typical power consumption is +/- 5% with **HV** (347-480V CLI) voltage & EL Class
x HV Configurations ship with 277-480V CLI voltage driver standard

ANSI/UL 1598/CAN/CSA C22.2 No.250.0-08, 3rd Ed. Preliminary Data, date of revision: 11/16/2017

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SMARTLUME 4

SMARTLUME 4 LED LIGHTING

Low-profile, budget-friendly outdoor lighting solution that combines power and performance in a range of municipal and road applications. High-quality sustained lighting and aesthetic appeal for the lifetime of an installation.

KEY SPECIFICATIONS - LUMINAIRE

Optical compartment tightness level:	IP 66 (*)
Power compartment tightness level:	IP 54 (*)
Impact resistance:	IK 10 (**)
Nominal voltage:	120 - 277V - 50-60Hz 347 - 480V - 50-60Hz
L70:	100,000+ hours
EPA:	0.7739 ft²
CCT:	3000K (WW), 4000K (NW) or 5700K (CW)
THDi:	≤ 20%
PF:	≥ 0.90
Electrical safety class:	Class 1
Operating temp range:	-40°F to 122°F (-40°C to 50°C)
BUG rating:	U=0, no uplight
Vibration Rating:	3G, ANSI standard C136-31
Surge protection:	20kV / 10kA
Receptacle:	7-pin, included
Body Material:	High-pressure die-cast aluminium
Lens Material:	Sinergyflex™ silicone
Color:	Grey RAL 7040T

KEY ADVANTAGES

- Cost-effective and efficient lighting solution
- Accelerated return on investment
- Easy and fast installation in retrofit or new construction
- IP 66 tightness level ensures long-lasting performance
- IES-compliant, market leading optics for roadway lighting (IES RP-08-14), parking facilities (IES RP-20-14) and exterior environments (IES RP-33-14)
- Standard mast-arm mounting: 1 ¼" to 2" pipes (42-60mm) with inclination from -10° to +5° in steps of 2.5°
- Optional control solutions: photocell and/or Owlet® control systems

(*) according to IEC - EN 60598

(**) according to IEC - EN 62262

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BEST IN CLASS OPTICS

New optics designed specifically for SmartLume provide market-leading performance in compliance with IES recommendations for roadway lighting (IES RP-08-14), parking facilities (IES RP-20-14), and exterior environments (IES RP-33-14).

APPLICATIONS

Cost-effective and efficient outdoor lighting solution that delivers long lasting performance in a variety of applications that include:

- General area and site lighting
- Public squares, downtown and residential environments
- Parking lot applications
- Major roadways
- Recreation areas and parks

DESIGN OPTIONS

SmartLume 4's adjustable LED optical block design is offered in two LED packages to suit the requirements of individual applications. Efficiently replaces HID fixtures ranging from 400W – 1000W to deliver accelerated project ROI.

ECONOMIC BENEFITS

SmartLume 4 has been engineered with a superior quality-to-cost ratio. Because of its economical price point, ease of installation in both retrofit or new construction applications, and maintenance savings over the life of an installation, SmartLume 4 offers the fastest ROI in the market for a wide variety of projects.

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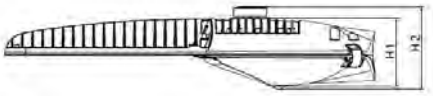
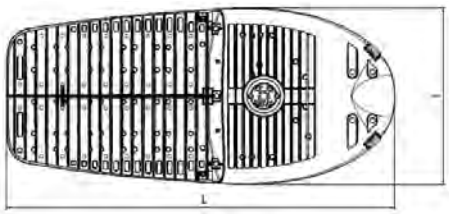
Schréder

Preliminary data, date of revision: 11/16/2017

DIMENSIONS AND WEIGHT

SmartLume 4	
L	33.4" | 849mm
H1	5.2" | 131mm
H2	6.4" | 162mm
l	13" | 330mm
Weight	22.5lbs | 10.21kg





PHOTOMETRY

Overview - Neutral White (4000K) / Cool White (5700K) 70+ CRI - Optical Average

# LEDs	Typical Luminaire Output Flux (lm)*	Drive Current (mA)	Typical Luminaire Power Consumption (120-277V)	Typical Luminaire Efficiency, lm/W (120-277V)	Typical Luminaire Power Consumption (347-480V)	Typical Luminaire Efficiency, lm/W (347-480V)
72	36,201	1300	297W	122	295W	123
84	37,100	1100	290W	128	286W	130
	39,800	1200	318W	125	314W	127
	41,000	1250	332W	123	328W	125

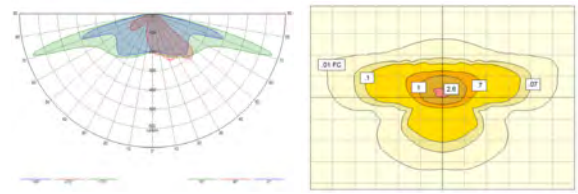
Overview - Warm White (3000K) 80+ CRI - Optical Average

# LEDs	Typical Luminaire Output Flux (lm)*	Drive Current (mA)	Typical Luminaire Power Consumption (120-277V)	Typical Luminaire Efficiency, lm/W (120-277V)	Typical Luminaire Power Consumption (347-480V)	Typical Luminaire Efficiency, lm/W (347-480V)
72	31,100	1300	297W	105	295W	105
84	32,000	1100	290W	110	286W	112
	34,200	1200	318W	108	314W	109
	35,300	1250	332W	106	328W	108

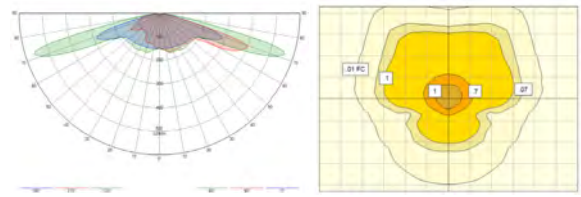
(*) The flux is an indicative flux @ t_j 25°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire.

LIGHT DISTRIBUTIONS*

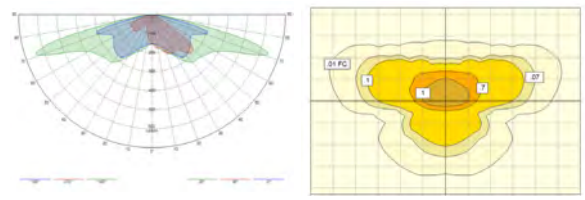
T2M (Type 2 Roadway 5172)



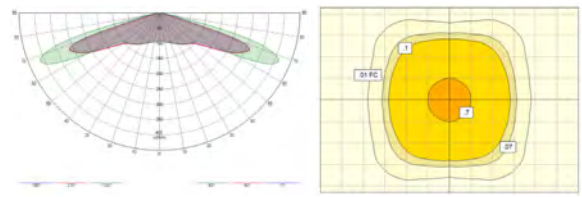
T4M (Type 4 5174)



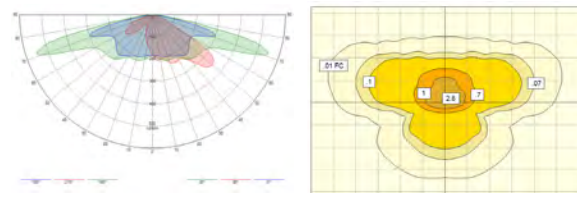
T3M (Type 3 Roadway 5171)



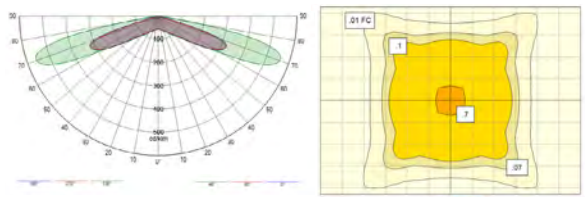
T5S (Type VS 5175)



T3C (Type 3 Local 5173)



NEW! T5Q (Type VS Square 5242)



(*) 72 LED NW distributions shown. Illuminance diagrams use a mounting height of 25ft (7.6m).

PHOTOMETRY DETAIL

Photometry Detail - Neutral White (4000K) / Cool White (5700K) 70+CRI								
#LEDs	Optic	Typical Luminaire Output Flux (lm)*	Drive Current (mA)	Typical Luminaire Power Consumption, 120-277V (W)	Typical Luminaire Efficiency, 120-277V (lm/W)	Typical Luminaire Power Consumption, 347-480V (W)	Typical Luminaire Efficiency, 347-480V (lm/W)	BUG Rating
72	T2M (Type 2 Roadway, 5172)	36467	1300	297	123	295	124	B4 U0 G4
72	T3M (Type 3 Roadway, 5171)	36369	1300	297	122	295	123	B4 U0 G4
72	T3C (Type 3 Local, 5173)	36348	1300	297	122	295	123	B4 U0 G4
72	T4M (Type 4, 5174)	34869	1300	297	117	295	118	B4 U0 G4
72	T5S (Type VS, 5175)	36953	1300	297	124	295	125	B4 U0 G4
72	T5Q (Type VS Square, 5242)	36884	1300	297	124	295	125	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	37417	1100	290	129	286	131	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	37316	1100	290	129	286	130	B4 U0 G4
84	T3C (Type 3 Local, 5173)	37295	1100	290	129	286	130	B4 U0 G4
84	T4M (Type 4, 5174)	35777	1100	290	123	286	125	B4 U0 G4
84	T5S (Type VS, 5175)	37916	1100	290	131	286	133	B4 U0 G4
84	T5Q (Type VS Square, 5242)	37845	1100	290	130	286	132	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	40050	1200	318	126	314	128	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	39942	1200	318	126	314	127	B4 U0 G4
84	T3C (Type 3 Local, 5173)	39920	1200	318	126	314	127	B4 U0 G4
84	T4M (Type 4, 5174)	38295	1200	318	120	314	122	B4 U0 G4
84	T5S (Type VS, 5175)	40584	1200	318	128	314	129	B4 U0 G4
84	T5Q (Type VS Square, 5242)	40508	1200	318	127	314	129	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	41298	1250	332	124	328	126	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	41186	1250	332	124	328	126	B4 U0 G4
84	T3C (Type 3 Local, 5173)	41163	1250	332	124	328	125	B4 U0 G4
84	T4M (Type 4, 5174)	39488	1250	332	119	328	120	B4 U0 G4
84	T5S (Type VS, 5175)	41848	1250	332	126	328	128	B4 U0 G4
84	T5Q (Type VS Square, 5242)	41770	1250	332	126	328	127	B4 U0 G4

Photometry Detail - Warm White (3000K) 80+CRI								
#LEDs	Optic	Typical Luminaire Output Flux (lm)*	Drive Current (mA)	Typical Luminaire Power Consumption, 120-277V (W)	Typical Luminaire Efficiency, 120-277V (lm/W)	Typical Luminaire Power Consumption, 347-480V (W)	Typical Luminaire Efficiency, 347-480V (lm/W)	BUG Rating
72	T2M (Type 2 Roadway, 5172)	31374	1300	297	106	295	106	B4 U0 G4
72	T3M (Type 3 Roadway, 5171)	31289	1300	297	105	295	106	B4 U0 G4
72	T3C (Type 3 Local, 5173)	31271	1300	297	105	295	106	B4 U0 G4
72	T4M (Type 4, 5174)	29999	1300	297	101	295	102	B4 U0 G4
72	T5S (Type VS, 5175)	31792	1300	297	107	295	108	B4 U0 G4
72	T5Q (Type VS Square, 5242)	31733	1300	297	107	295	108	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	32191	1100	290	111	286	113	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	32105	1100	290	111	286	112	B4 U0 G4
84	T3C (Type 3 Local, 5173)	32086	1100	290	111	286	112	B4 U0 G4
84	T4M (Type 4, 5174)	30781	1100	290	106	286	108	B4 U0 G4
84	T5S (Type VS, 5175)	32621	1100	290	112	286	114	B4 U0 G4
84	T5Q (Type VS Square, 5242)	32559	1100	290	112	286	114	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	34457	1200	318	108	314	110	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	34364	1200	318	108	314	109	B4 U0 G4
84	T3C (Type 3 Local, 5173)	34344	1200	318	108	314	109	B4 U0 G4
84	T4M (Type 4, 5174)	32947	1200	318	104	314	105	B4 U0 G4
84	T5S (Type VS, 5175)	34916	1200	318	110	314	111	B4 U0 G4
84	T5Q (Type VS Square, 5242)	34851	1200	318	110	314	111	B4 U0 G4
84	T2M (Type 2 Roadway, 5172)	35530	1250	332	107	328	108	B4 U0 G4
84	T3M (Type 3 Roadway, 5171)	35434	1250	332	107	328	108	B4 U0 G4
84	T3C (Type 3 Local, 5173)	35414	1250	332	107	328	108	B4 U0 G4
84	T4M (Type 4, 5174)	33973	1250	332	102	328	104	B4 U0 G4
84	T5S (Type VS, 5175)	36003	1250	332	108	328	110	B4 U0 G4
84	T5Q (Type VS Square, 5242)	35936	1250	332	108	328	110	B4 U0 G4